

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001770

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H01L 33/00, H01L 21/20, C23C 16/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L C23C C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for invention, since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5650198 (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 22 JULY 1999 see the abstract, claims 1-14	1-8
Y	US 5926726 (SDL INC. & XEROX CORPORATION) 20 JULY 1999 see column 3, line 65 - column 4 line 26, column 6, line 20 - column 8 line 27	1-8
A	JP 8-56015 A (MATSUSHITA ELECTRIC IND. CO. LTD.) 27 FEBRUARY 1996 see the abstract, paragraphs 0031 0042	1-8
A	EP 1061083 A1 (KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY) 20 DECEMBER 2000 see the whole documents	1-8
A	JP 10-17400 (SUMITOMO ELECTRIC IND. LTD) 20 JANUARY 1998 see the whole documents	1-8

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search

26 OCTOBER 2004 (26.10.2004)

Date of mailing of the international search report

27 OCTOBER 2004 (27.10.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM, Dong Yup

Telephone No. 82-42-481-5749



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001770

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5650198	22.07.1999	NONE	
US 5926726	20.07.1999	WO 9913499 A3 WO 9913499 A2 WO 9913499 C1	06.05.1999 18.03.1999 06.12.2001
JP 8-56015 A	27.02.1996	JP 3239622 B	17.12.2001
EP 1061083 A1	20.12.2000	US 6329540 BA JP 2001048886 A2 KR 2001002430 A JP 3323858 B2 EP 1061083 B1 DE 60001871 C0 DE 60001871 T2	11.12.2001 20.02.2001 15.01.2001 09.09.2002 02.04.2003 08.05.2003 13.11.2003
JP 10-17400	20.01.1998	NONE	